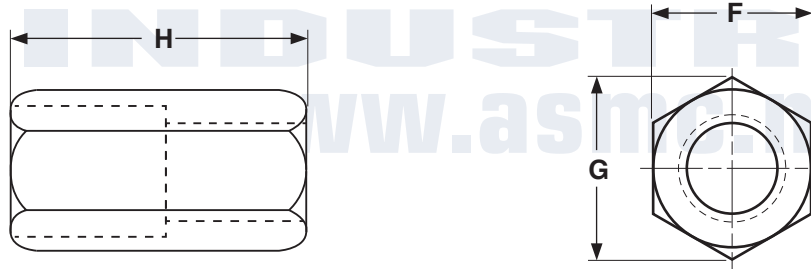


**Steel** **HEX REDUCER COUPLINGS**



| HEX REDUCER COUPLING NUTS         |                                |  |   |                    |       |       |                      |       |        |      | Coupling Nut Supply |
|-----------------------------------|--------------------------------|--|---|--------------------|-------|-------|----------------------|-------|--------|------|---------------------|
| Nominal Size and Threads per Inch | Basic Major Diameter of Thread | Opposite Nominal Size and Threads per Inch | Opposite Basic Major Diameter of Thread | F                  |       |       | G                    |       | H      |      |                     |
|                                   |                                |  |   | Width Across Flats |       |       | Width Across Corners |       | Length |      |                     |
|                                   |                                |  |   | Basic              | Max   | Min   | Max                  | Min   | Basic  | Max  | Min                 |
| 3/8-16                            | 0.3750                         | 1/4-20                                     | 0.2500                                  | 1/2                | 0.500 | 0.489 | 0.577                | 0.557 | 1      | 1.01 | 0.98                |
| 1/2-13                            | 0.5000                         | 3/8-16                                     | 0.3750                                  | 5/8                | 0.625 | 0.607 | 0.722                | 0.692 | 1-1/4  | 1.26 | 1.19                |
| 5/8-11                            | 0.6250                         | 1/2-13                                     | 0.5000                                  | 13/16              | 0.813 | 0.782 | 0.939                | 0.891 | 1-1/4  | 1.26 | 1.19                |
| 3/4-10                            | 0.7500                         | 5/8-11                                     | 0.6250                                  | 1                  | 1.000 | 0.963 | 1.155                | 1.097 | 1-1/2  | 1.51 | 1.44                |

**LOW CARBON**

|                                |  |
|--------------------------------|--|
| <b>Description</b>             | A double chamfered hex nut with two different internal thread sizes at opposite ends of the nut. The length of the nut is greater than 2.5D where D equals the basic major thread diameter. Also referred to as rod couplings. |
| <b>Applications/Advantages</b> | Used to join a larger diameter threaded rod to a smaller diameter threaded rod.  |
| <b>Material</b>                | 1010 - 1018 or equivalent steel. 12L14 steel is commonly used in domestically manufactured coupling nuts.  |
| <b>Hardness</b>                | Rockwell B68 - C32   |
| <b>Proof Load</b>              | 75,000 psi. minimum  |
| <b>Plating</b>                 | See Appendix-A for plating information.  |